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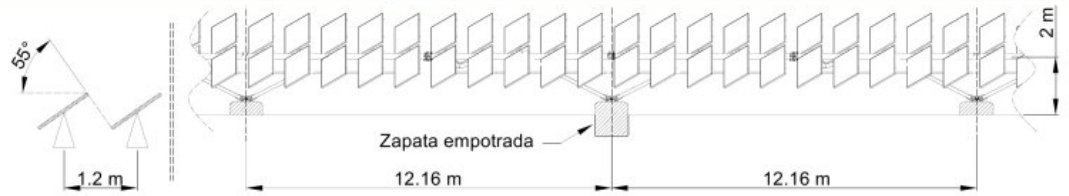
Two axis solar tracker
Model 2e7F3C

General Characteristics

Astronomical tracking	1 Axe E-W ± 40° / 2° Axis N-S ± 23° (with backtracking)
Drive	(7+1) hydraulic cylinder for each 21 grills (434 modules)
Longitudinal transmission	Articulated cardan type
Transversal transmission	Rod – crack mechanism between rows
Operating temperatura range	-10° C / +60° C
Segurity	Horizontal nocturnal and wind position > 60 km/h
Wind gust resistance	235 km/h (145 mph) in horizontal position **

Physical Characteristics (For a standard module of 1650 x 990 mm and 250 W)

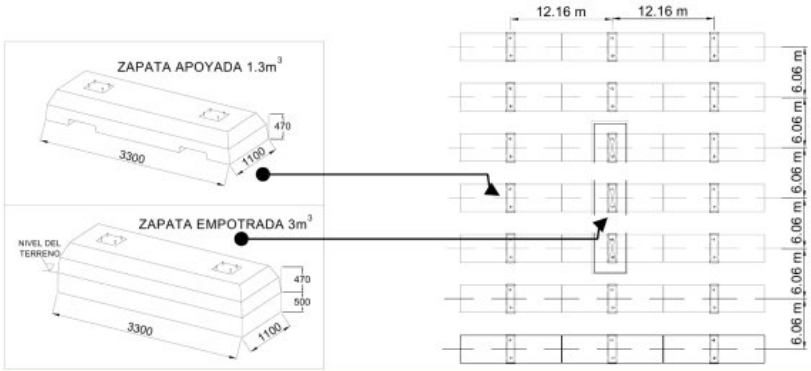
	Grill	Set
Set configuration	7 rows x 3 columns =21 grills + adapter (with 14 modules)	
Dimensions / surface	12.16 m x 3.4 m / 41.34 m^2	42.4 m x 36.5 m / 1547 m^2
PV Module quantity / Power* (250 W)	20 / 5 kW	434 / 108.5 kW
Energy consumption	< 0.4 kWh / day	



1 Set foundation

Central grills	3 m^3 embedded foundation (3 pcs. / set, according to drawing)
Other grills	1.3 m^3 rested foundation (18 pcs. / set, according to drawing)

Superficial distribution :



Structural steel S-275-JOH cool formed in accordance EN 10219. Hot dip galvanized in accordance to ASM 123/A 123M-02 and with polyurethane base coating in sea environment. Module fixing 4xM8 inox or in accordance to PV Module manufacturer. 73/23 CE low voltage norm. Electromagnetic compatibility 89/333 CEE.

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Polígono Malpica-Alfindén
C/ La Sabina, 13-15
50171 La Puebla de Alfindén
Zaragoza

Tel.: +34 976 571 193
Fax: +34 876 246 024

Info@ades.tv
www.ades.tv

TÜVRheinland® CERT ISO 9001

Specifications of this technical sheet can be modified by ADES S.L. without prior notice.

- * Calculations based upon a 250w PV Module.
- ** For wind speeds up to 281 km/h (175 mph), 20% structure weight increase.

2e7F3C.06-09-13